



## Expressions of Interest sought for Non-REE assets

Northern Minerals (ASX: NTU) advises it has formally commenced the divestment process for a package of its non-Rare Earth Element assets (including gold) at the Gardiner-Tanami Project in northern Australia.

The proposed divestment involves 9,700 km<sup>2</sup> in the Tanami-Arunta region, which is considered to be one of the few significant areas of under-explored gold terrain remaining Australia. The successful bidder will hold the rights for the exploration and development of all minerals other than rare earth elements (REE), which will be retained by Northern Minerals.

A detailed Information Memorandum is available and Indicative Offers are being sought by 29 October 2012.

Managing Director George Bauk said while Northern Minerals was focussed on its REE program, the Gardiner-Tanami Project represented a significant exploration opportunity in a prospective and under-explored region.

“The primary target for the region is gold mineralisation similar to the large deposits found at nearby projects such as Callie, Groundrush, Buccaneer and Tanami, which range from 2 – 10 million ounces,” Mr Bauk said.

“Previous exploration has identified drill ready gold targets, with recently defined soil anomalies which are also untested.

The Gardiner-Tanami Project is located approximately 200km south east of Halls Creek on the Western Australia/Northern Territory border. The Project consists of a mostly contiguous area covered by 29 granted Exploration Licences, six applications for Exploration Licences near to grant and 13 applications for Exploration Licences held in moratorium. All are owned 100% by NTU except three licences held 60% by NTU in Joint Venture with Manhattan Corporation, where NTU has the ability to earn up to 90%. Neighbouring landholdings are held by Tanami Gold, ABM Resources and Newmont all of whom are exploring or producing gold in the region.

Interested parties should contact Northern Minerals Commercial Manager Robert Sills on (08) 9481 2344, or email [tanami@northernminerals.com.au](mailto:tanami@northernminerals.com.au)

### For more information:

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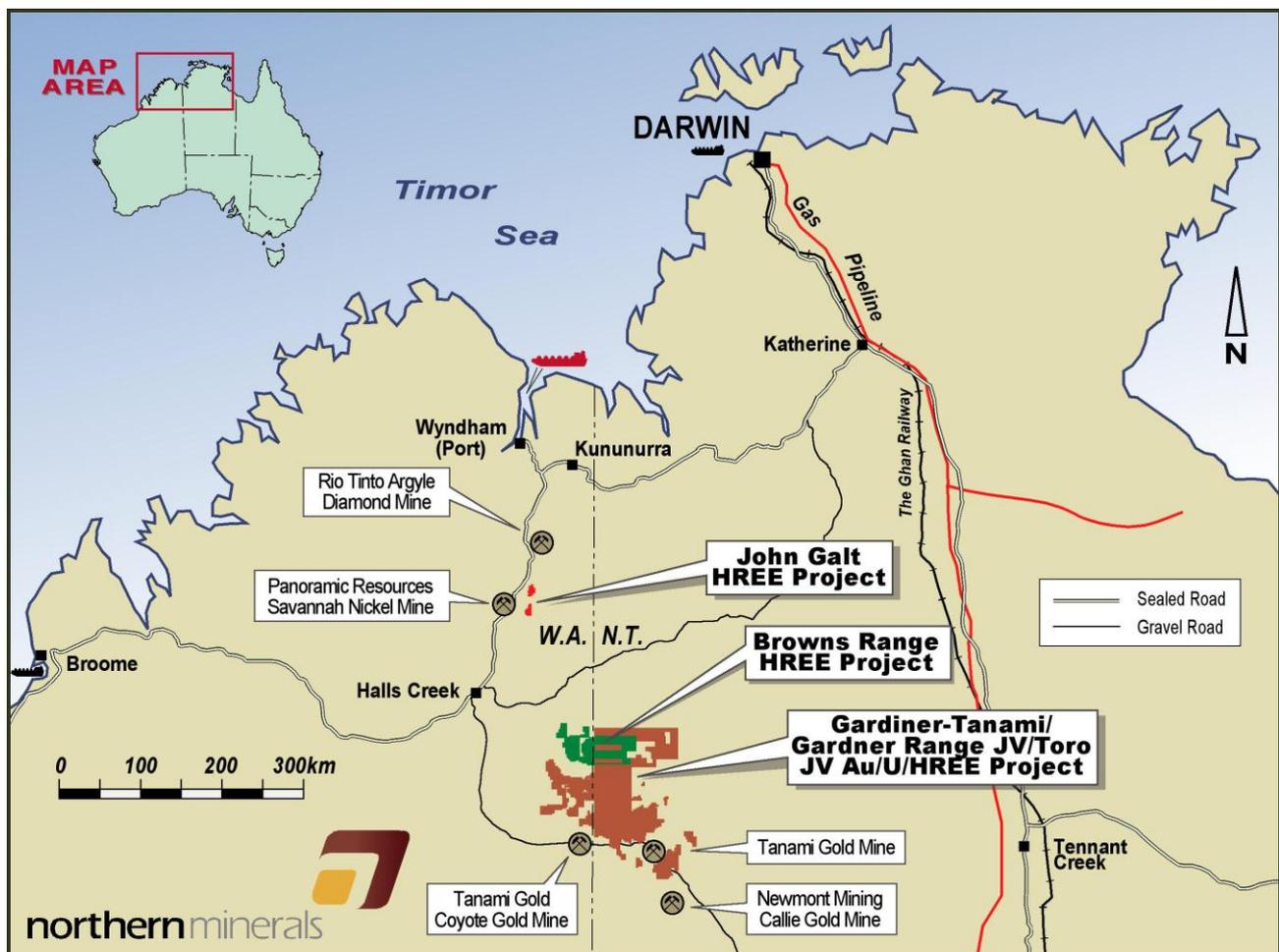


### About Northern Minerals

Northern Minerals Limited (ASX: NTU) is focused on development of rare earth elements (REE), with a large and prospective landholding in Western Australia and the Northern Territory.

The Company's flagship project is Browns Range, where it has a number of prospects with high value, heavy rare earth elements (HREE), in xenotime mineralisation. In particular, the mineralisation includes high levels of dysprosium and yttrium, which are in short supply globally. Following outstanding results from its drilling program, the Company is focused on advancing Browns Range toward production, using a relatively simple and low cost processing flow sheet to produce a high grade concentrate. The Company is aiming to produce and deliver HREO in concentrate by 2015. Northern Minerals also has a HREE exploration program underway at the geologically similar John Galt project.

Northern Mineral's gold program is focused on the Gardiner-Tanami project and Gardner Range JV, which comprise 10,500km<sup>2</sup> on the WA-NT border. The projects are located within the world-class Tanami-Arunta gold region. For more information, visit [www.northernminerals.com.au](http://www.northernminerals.com.au)





# gardiner-tanami project acquisition opportunity - gold

## the opportunity

Northern Minerals (NTU) is divesting the rights for exploration and development of all minerals other than Rare Earth Elements on its Gardiner-Tanami Project. The successful bidder will hold title over an area of approximately 9,700 km<sup>2</sup> in the Tanami-Arunta region, considered to be the most underexplored major gold terrain in Australia.

## the project

The Gardiner-Tanami Project is located approximately 200km SE of Halls Creek on the Western Australia/Northern Territory border.

The Project consists of a mostly contiguous area covered by 29 granted Exploration Licences, six applications for Exploration Licences near to grant and thirteen applications for Exploration Licences held in moratorium. All licences, except for three in W.A., are held 100% by NTU. Three licences are held 60% by NTU in Joint Venture with Manhattan Corporation (ASX MHC). NTU has the ability to earn up to 90% in these holdings.

Neighbouring landholdings are held by Tanami Gold, ABM Resources and Newmont who are all exploring and/or producing gold in the region.

## the target

The primary target is mesothermal gold mineralisation, similar to the significant deposits found at Callie/Dead Bullock Soak (>10Moz), Buccaneer/Old Pirate (>3Moz) Tanami (>2Moz) and Groundrush (>1.3Moz). (Figure 2)

Previous exploration has identified drill ready gold targets at the Don and Venus projects with recently defined soil anomalies and historic drilling intersecting anomalous gold in the area.

Unconformity - related uranium mineralisation, similar to that seen in the Athabasca Basin in Canada and the Alligator River region in the Northern Territory, also remains a target for future exploration, with several geophysical targets remaining untested by drilling.

A large proportion of the Project has had little or no exploration conducted for any minerals.

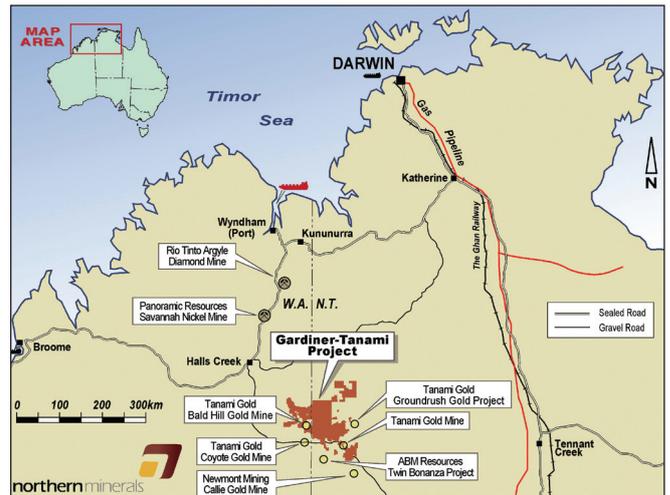


Figure 1: Location Map of Gardiner-Tanami and Gardner Range JV tenements.

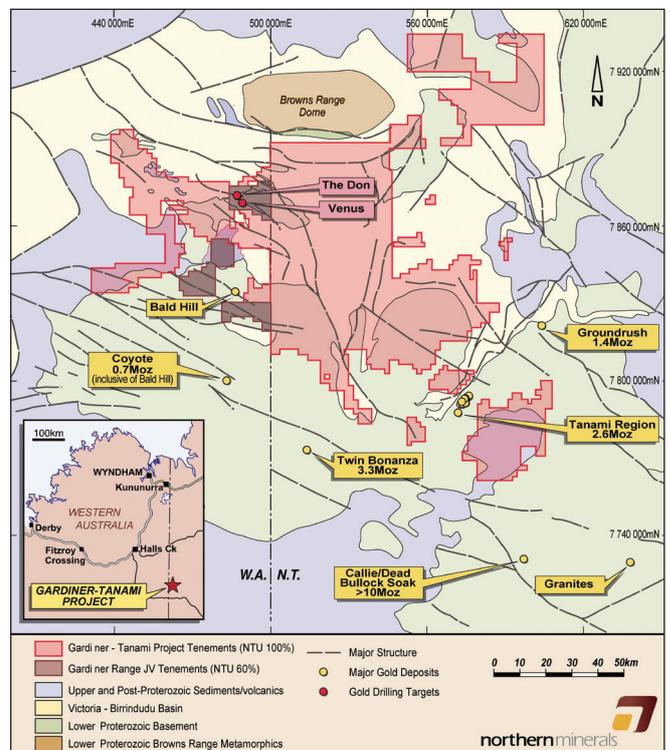


Figure 2: Gardiner-Tanami/Gardner Range JV Projects Tenements, geology and prospect location with significant gold deposits in the region.





### the geology

The Gardiner-Tanami and Gardner Range projects are located in the Tanami -Arunta region, host to several major gold deposits (>1m ounces Au) including The Granites and Callie Gold Mines, and is considered by many to be the most under-explored gold terrain remaining in Australia.

The region also shares many similarities with known geological provinces that host significant uranium mineralisation, including the Athabasca Basin in Canada and the Alligator River region in the Northern Territory.

The tenements cover the highly deformed Lower Proterozoic Tanami Group and Lower-Mid Proterozoic metasedimentary sequences of the Birrindudu-Victoria Basins. The Tanami Group includes the Killi Killi Beds and Dead Bullock Formation, and is host to several gold mines such a Callie and the Granites in the Northern Territory (Dead Bullock), and Coyote in Western Australia (Killi Killi). The Killi Killi consists of steeply dipping, strongly folded and foliated metasediments / volcanics which have been intruded by Lower Proterozoic granitic rocks and pegmatitic granitoids.

Numerous ESE trending, steeply dipping fault zones transect the project area, some of which have been interpreted as steep-angle reverse faults. To the south of the project area is the Trans-Tanami fault, an ESE trending regional-scale structure, which is associated with gold mineralisation in the Granites and Dead Bullock Soak/Callie region (Figure 2).

### sale process

The indicative time table for the sale process is outlined in the following table.

Interested parties are invited to contact Northern Minerals at the contact details below to receive a Project Information Memorandum. On satisfactory execution of the Confidentiality Agreement the interested party will be provided access to the Project Virtual Data Room.

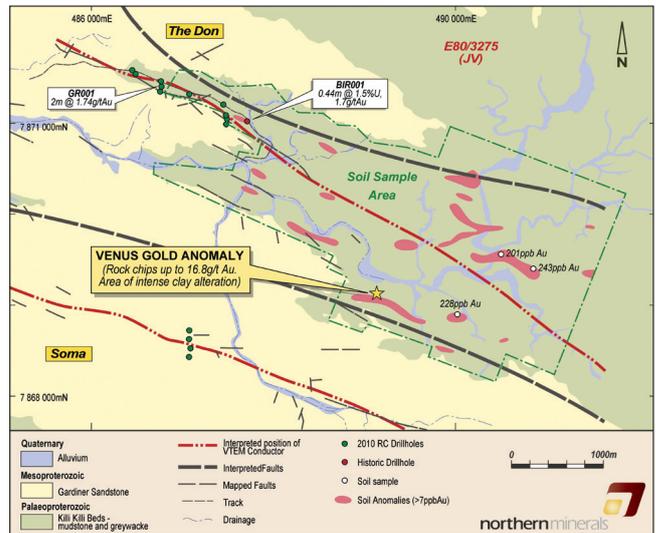


Figure 3: Gold Targets in the Don-Venus prospect area.

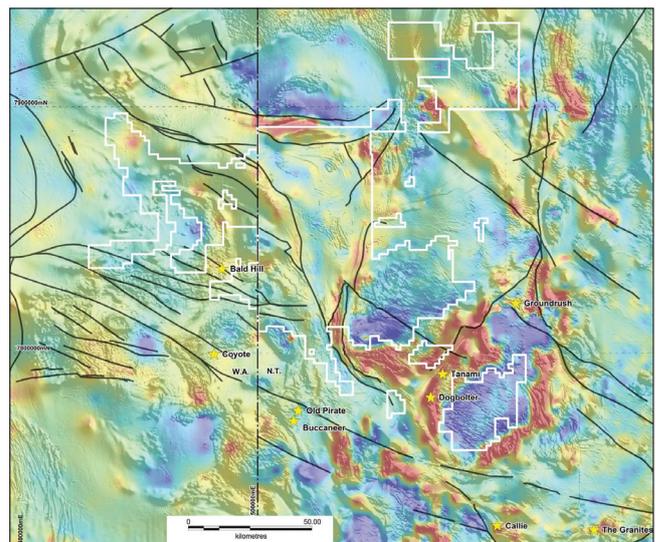


Figure 4: Aeromagnetics TMI IVD showing Gardiner Tanami Project Area and Major local gold deposits

item	completion date
Marketing Commences	3 October 2012
Last date for submission of indicative Offers	29 October 2012
Review Indicative Offers and short list parties	1 November 2012
Site visits begin (if required)	2 November 2012
Final Offers to be received	19 November 2012
Execution of Documentation	December 2012/January 2013

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